

Title (en)

PLASTIC DEPOLYMERIZATION USING FLUORINATED ALUMINA

Title (de)

KUNSTSTOFFDEPOLYMERISATION UNTER VERWENDUNG VON FLUORIERTEM ALUMINIUMOXID

Title (fr)

DÉPOLYMERISATION DE MATIÈRES PLASTIQUES À L'AIDE D'ALUMINE FLUORÉE

Publication

**EP 4021964 A1 20220706 (EN)**

Application

**EP 20780566 A 20200825**

Priority

- US 201962893398 P 20190829
- EP 2020073754 W 20200825

Abstract (en)

[origin: US2021061972A1] A method of depolymerizing plastics using a fluorinated alumina catalyst is described herein. The method reduces the energy required for the depolymerization process while achieving improved depolymerization results.

IPC 8 full level

**C08J 11/16** (2006.01); **C08L 23/02** (2006.01)

CPC (source: EP US)

**B01J 27/125** (2013.01 - US); **C08J 11/16** (2013.01 - EP US); **C10G 1/10** (2013.01 - US); **C08J 2323/02** (2013.01 - EP); **C08J 2323/06** (2013.01 - EP US); **C08J 2323/08** (2013.01 - EP); **C08J 2323/10** (2013.01 - EP); **C08J 2323/12** (2013.01 - US); **C10G 2300/1003** (2013.01 - US); **C10G 2400/20** (2013.01 - US); **Y02W 30/62** (2015.05 - EP)

Citation (search report)

See references of WO 2021037851A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

**US 2021061972 A1 20210304**; CN 114341243 A 20220412; EP 4021964 A1 20220706; WO 2021037851 A1 20210304

DOCDB simple family (application)

**US 202017001832 A 20200825**; CN 202080060342 A 20200825; EP 2020073754 W 20200825; EP 20780566 A 20200825